

WHAT IS CLAIMED IS:

1. An automotive on-board antenna which has a plurality of antennas provided on surfaces of a plurality of window glasses of a vehicle, comprising:

5 a first antenna including a first radiation element provided on the same surface of one window glass of the plurality of window glasses and a first grounding conductor which surrounds a periphery of an outer edge portion of the first radiation element at a position spaced away outwardly from the outer edge  
10 portion of the first radiation element, and

a second antenna including a second radiation element provided on the same surface of the other window glass of the plurality of window glasses and a second grounding conductor which surrounds a periphery of an outer edge portion of the  
15 second radiation element at a position spaced away outwardly from the edge portion of the second radiation element.

2. The automotive on-board antenna as set forth in Claim 1, wherein

20 at least either of the first radiation element and the second radiation element includes an inner cut-out portion for allowing the surface of the associated window glass to be exposed therethrough.

3. The automotive on-board antenna as set forth in Claim 1, wherein

the plurality of window glasses include a windscreen and a rear window glass.

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4. The automotive on-board antenna as set forth in Claim 2, wherein

at least either of the first radiation element and the second radiation element which include the inner cut-out portion is provided on the surface of the windscreen of the plurality of window glasses.

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5. The automotive on-board antenna as set forth in Claim 1, wherein

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the first antenna and the second antenna are disposed on the outer edge portions of the window glasses.

6. The automotive on-board antenna as set forth in Claim 1, wherein

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the first antenna and the second antenna are disposed at vertically upper portions of the window glasses.

7. The automotive on-board antenna as set forth in Claim  
1, wherein

the first antenna and the second antenna constitute a  
diversity system for performing diversity transmission and  
5 reception.